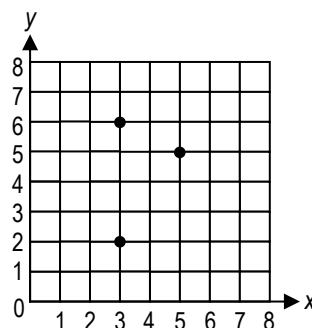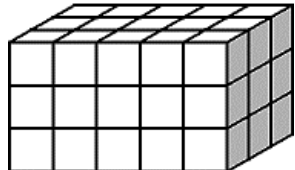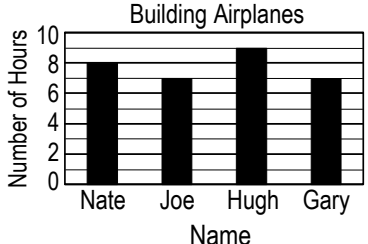# MATH MADNESS # 25

1. Baby Olivia weighed seven and twenty-five hundredths pounds at birth. Which of the following shows her weight in expanded notation?

   a. 7 + 0.2 + 0.05
   b. 7 + 0.2 + 0.005
   c. 7 + 0.02 + 0.05
   d. 7 + 0.02 + 0.005

2. Gabby spends 6 hours making hair bows. It takes her $\frac{1}{4}$ hour to make each one. When she is finished, all the hair bows are shared equally among 3 friends. How many hair bows does each friend receive?

   a. 8
   b. 12
   c. 18
   d. 24

3. Which equation below gives the correct value of the following sum?

$$\frac{3}{8} + \frac{14}{12}$$

   a. $\frac{3}{8} + \frac{7}{6} = \frac{10}{14}$ c. $\frac{3}{12} + \frac{14}{12} = \frac{17}{12}$

   b. $\frac{9}{24} + \frac{28}{24} = \frac{37}{24}$ d. $\frac{3}{8} + \frac{14}{12} = \frac{17}{20}$

4. Which expression has twice the value of 4 + 206 × 150?

   a. 4 + 103 × 300
   b. 4 + 206 × 300
   c. 8 + 103 × 300
   d. 8 + 206 × 300

5. Bakery *A* and Bakery *B* are baking cupcakes. Bakery *A* bakes 36 cupcakes for every 12 cupcakes Bakery *B* bakes. How many cupcakes will Bakery *B* have baked when Bakery *A* has baked 144 cupcakes?

   a. 3
   b. 4
   c. 24
   d. 48

6. The coordinate grid has three points plotted. Which point could be added to the grid so the 4 points form the vertices of a quadrilateral, but **not** a parallelogram?
   a. (1, 3)
   b. (5, 1)
   c. (5, 3)
   d. None of the above

7. Marc-Andre made the rectangular prism below. The sides of each cube are 1-inch long.

   What is the volume of the rectangular prism?

   a. 15 cubic inches
   b. 24 cubic inches
   c. 30 cubic inches
   d. 45 cubic inches

Helpful Hint: V = l × w × h

8. This graph shows how many **hours** several children spent building a model airplane.

   How many more **minutes** did Hugh spend building his model airplane than Joe?

   a. 16   **c. 120**
   b. 90   d. 200

9 & 10 (2 points) Short Answer / Extended Response

Sam and Al each made a number pattern.
- Sam's pattern starts with the number 5 and follows the rule "multiply by 2"
- Al's pattern starts with the 35 and follows the rule "subtract 5"

What are the first five numbers in Sam's pattern? __5, 10, 20, 40, 80__

What are the first five numbers in Al's pattern? __35, 30, 25, 20, 15__

What is the first number that will be the same in both Sam and Al's pattern? __20__